

Title (en)
DEVICES AND METHODS FOR GENOMIC STRUCTURAL ANALYSIS

Title (de)
VORRICHTUNGEN UND VERFAHREN ZUR GENOMISCHEN STRUKTURANALYSE

Title (fr)
DISPOSITIFS ET PROCÉDÉS D'ANALYSE STRUCTURALE GÉNOMIQUE

Publication
EP 4172358 A1 20230503 (EN)

Application
EP 21745597 A 20210628

Priority
• US 202063046069 P 20200630
• US 202163143857 P 20210131
• US 2021039348 W 20210628

Abstract (en)
[origin: WO2022005957A1] Disclosed are methods for generating physical maps from feature density profiles of a nucleic acid using a constriction device, and associated methods of analyzing said genomic profiles. In addition, disclosed are devices and methods for analyzing secondary, tertiary and quaternary structures on nucleic acids in spatial and temporal context of the 3-D organization of the genome in a constriction or sensor device.

IPC 8 full level
C12Q 1/6816 (2018.01); **C12Q 1/6806** (2018.01); **C12Q 1/6869** (2018.01)

CPC (source: EP US)
C12Q 1/6809 (2013.01 - US); **C12Q 1/6869** (2013.01 - EP US); **C12Q 1/6886** (2013.01 - US)

C-Set (source: EP)
C12Q 1/6869 + **C12Q 2563/116** + **C12Q 2565/607** + **C12Q 2565/631**

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022005957 A1 20220106; CN 115777025 A 20230310; EP 4172358 A1 20230503; US 2023235387 A1 20230727

DOCDB simple family (application)
US 2021039348 W 20210628; CN 202180047156 A 20210628; EP 21745597 A 20210628; US 202118001773 A 20210628